		Future Flight I	Design					
		2010 Scier						
Standards of Learning								
Virginia Science								
Grade 5								
Activity/Lesson	State	Standards						
			The student will demonstrate an					
			understanding of scientific reasoning, logic,					
			and the nature of science by planning and					
			conducting investigations in which data are					
A			collected, recorded, analyzed, and					
Air Transportation	\ / A	001554	communicated using proper graphical					
Problem	VA	SCI.5.5.1.g	representations and metric measurements; The student will demonstrate an					
			understanding of scientific reasoning, logic, and the nature of science by planning and					
			conducting investigations in which					
			predictions are made using patterns from					
Air Transportation			data collected, and simple graphical data are					
Problem	VA	SCI.5.5.1.h	generated;					
110010111	771	001.0.0.1.11	gonoratoa,					
		Future Flight I	Design					
		2010 Scier						
		Standards of L	earning					
Virginia Science								
Grade 6								
Activity/Lesson	State	Standards						
			The set that I'll have estable as					
			The student will demonstrate an					
Air Transportation			understanding of scientific reasoning, logic, and the nature of science by planning and					
Air Transportation Problem	VA	SCI.6.6.1.g	conducting investigations in which					
Problem	VA	3C1.6.6.1.g	conducting investigations in which					
			The student will demonstrate an					
			understanding of scientific reasoning, logic,					
			and the nature of science by planning and					
			conducting investigations in which data are					
Air Transportation			analyzed and communicated through					
Problem	VA	SCI.6.6.1.h	graphical representation;					
			The student will investigate and understand					
			public policy decisions relating to the					
			environment. Key concepts include					
Air Transportation			cost/benefit tradeoffs in conservation					
Problem	VA	SCI.6.6.9.d	policies.					
			The student will demonstrate an					
			understanding of scientific reasoning, logic,					
			and the nature of science by planning and					
			conducting investigations in which models					
			and simulations are designed and used to					
Aircraft Design			illustrate and explain phenomena and					
Problem	VA	SCI.6.6.1.i	systems;					

	1		The student will investigate and understand					
			The student will investigate and understand					
			public policy decisions relating to the					
l			environment. Key concepts include					
Aircraft Design			cost/benefit tradeoffs in conservation					
Problem	VA	SCI.6.6.9.d	policies.					
		Future Flight De	esian					
2010 Science								
Standards of Learning								
Virginia Science								
Grades 7-8 (Physic								
Activity/Lesson	State	Standards						
			The student will demonstrate an					
			understanding of scientific reasoning, logic,					
			and the nature of science by planning and					
			conducting investigations in which triple					
			beam and electronic balances,					
			thermometers, metric rulers, graduated					
Air Transportation			cylinders, probeware, and spring scales are					
Problem	VA	SCI.7-8.PS.1.d	used to gather data;					
			The student will demonstrate an					
			understanding of scientific reasoning, logic,					
			and the nature of science by planning and					
Air Transportation			conducting investigations in which valid					
Problem	VA	SCI.7-8.PS.1.j	conclusions are made after analyzing data;					
			The student will demonstrate an					
			understanding of scientific reasoning, logic,					
			and the nature of science by planning and					
			conducting investigations in which					
Air Transportation			experimental results are presented in					
Problem	VA	SCI.7-8.PS.1.I	appropriate written form;					
			The attendant will demonstrate as					
			The student will demonstrate an					
			understanding of scientific reasoning, logic,					
			and the nature of science by planning and					
A'			conducting investigations in which length,					
Aircraft Design		001707041	mass, volume, density, temperature, weight,					
Problem	VA	SCI.7-8.PS.1.b	and force are accurately measured;					
			The student will investigate and understand					
		201 -	the scientific principles of work, force, and					
Aircraft Design		SCI.7-	motion. Key concepts include speed,					
Problem	VA	8.PS.10.a	velocity, and acceleration;					
			The student will investigate and understand					
A (1 D		001.7	the scientific principles of work, force, and					
Aircraft Design	1,74	SCI.7-	motion. Key concepts include Newton's laws					
Problem	VA	8.PS.10.b	of motion;					
			The student will investigate and understand					
			the scientific principles of work, force, and					
l			motion. Key concepts include work, force,					
Aircraft Design		SCI.7-	mechanical advantage, efficiency, and					
Problem	VA	8.PS.10.c	power; and					

			The student will investigate and understand
			the scientific principles of work, force, and
Aircraft Design		SCI.7-	motion. Key concepts include technological
Problem	VA	8.PS.10.d	applications of work, force, and motion.